

Appl. No. 10/089,135
Amdt. Dated 02/08/2005
Reply to Office Communication of 10/15/2004

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-24 Canceled

25. (Currently amended) Combination of electronic tag and patch ~~for mounting the electronic tag mounted~~ within a pneumatic tire, characterized by:

the patch having a first side ~~adapted in use for mounting~~ mounted against an innerliner of the tire, a second arcuately-shaped side and an internally threaded member ~~adapted in use for~~ threadably receiving an externally threaded member extending from a side of the electronic tag;

wherein:

~~patch~~ when the externally threaded member is threaded into the internally threaded member, the electronic tag is external to the patch, and the side of the electronic tag at least partially abuts the arcuately-shaped side of the patch.

26. (Canceled)

27. (Previously presented) Apparatus, according to claim 25, characterized in that: the side of the tag from which the externally threaded member extends is flat.

28. (Previously presented) Apparatus, according to claim 27, characterized in that: when the externally threaded member is threaded into the internally threaded member, approximately one-half of the flat side of the tag is substantially in abutment with the arcuately-shaped side of the patch.

29. (Previously presented) Apparatus, according to claim 25, characterized in that: the internally threaded member includes a nut.

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30. (Currently amended) Apparatus, according to claim 25, characterized in that:
the patch is ~~adapted in use to be~~ mounted to the innerliner adjacent a shoulder portion of
the tire.

31. (Currently amended) Apparatus, according to claim 25, characterized in that:
the patch is ~~adapted in use to be~~ mounted to the innerliner at an area of the innerliner where
the tire is thickest.

32. (Currently amended) Apparatus, according to claim 25, characterized in that:
the patch is ~~adapted in use to be~~ mounted to the innerliner at an area of the innerliner where
the tire is least able to dissipate heat.

33. (Currently amended) Apparatus, according to claim 25, characterized in that:
the patch is ~~adapted in use to be~~ mounted to the innerliner at an area of the innerliner where
the temperature samples are the most closely related to determining whether or not an
internal breakdown of the tire is imminent.

34. (Previously presented) Apparatus, according to claim 25, characterized in that:
the patch comprises vulcanized rubber.

35. (Canceled)

36. (Previously presented) Apparatus, according to claim 25, characterized in that:
the tag is substantially rectangularly-shaped and the side is substantially straight.

37. (Previously presented) Apparatus, according to claim 25, characterized in that:
the internally threaded member includes a nut; and
the externally threaded member includes a bolt.

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38. (Previously presented) Apparatus, according to claim 25, characterized in that:
the electronic tag is adapted, in use, to:
sense a first temperature which is the temperature of the tire innerliner adjacent to the belt
edge; sense a second temperature which is the air temperature within the tire; and
sense air pressure within the tire.

Claims 39-48 Canceled

49. (Previously presented) A pneumatic tire comprising:
a central tread, a radially-extending belt disposed radially inwardly of the tread and a
radially-extending innerliner disposed radially inwardly of the belt;
further comprising: a patch having a first side disposed against the innerliner of the tire, a
second arcuately-shaped side and an internally threaded member extending into the
arcuately-shaped side; an electronic tag having an externally threaded member extending
from a flat side thereof; wherein when the externally threaded member is threaded into the
internally threaded member, the electronic tag is external to the patch, and the flat side of
the electronic tag at least partially abuts the arcuately-shaped side of the patch.

50. (Previously presented) Pneumatic tire, according to claim 49, characterized in that:
when the externally threaded member is threaded into the internally threaded member,
approximately one-half of the flat side of the tag is substantially in abutment with the
arcuately-shaped side of the patch.

51. (Previously presented) Pneumatic tire, according to claim 49, characterized in that:
the patch is mounted to the innerliner adjacent a shoulder portion of the tire.

52. (Previously presented) Pneumatic tire, according to claim 49, characterized in that:
the patch is mounted to the innerliner at an area of the innerliner where the tire is thickest.

53. (Previously presented) Pneumatic tire, according to claim 49, characterized in that:

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the patch is mounted to the innerliner at an area of the innerliner where the tire is least able to dissipate heat.

54. (Previously presented) Pneumatic tire, according to claim 49, characterized in that: the patch is mounted to the innerliner at an area of the innerliner where the temperature samples are the most closely related to determining whether or not an internal breakdown of the tire is imminent.

55. (Previously presented) Pneumatic tire, according to claim 49, characterized in that: the patch comprises vulcanized rubber.

56. (Previously presented) Pneumatic tire, according to claim 49, characterized in that: the internally threaded member includes a nut; and the externally threaded member includes a bolt.